Index of Claims

| <b>Applicatio</b> | n/Control | No. |
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09/869,816 Examiner

**INOKUCHI ET AL.** 

Applicant(s)/Patent under Reexamination

**Art Unit** 

Ronald Baum

2136

Rejected Allowed

|   | (Through numeral)<br>Cancelled |
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| + | Restricted                     |

|   | N | Non-Elected  |
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| ĺ | ı | Interference |

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| Final  | Original             | 10/6/05   |          |          |          | _        | Dat       |          |                    |                    |           |          |
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|  | 6                    | 1         |          |          | T        | 7        |           |          | $\top$             | 十                  | 7         |          |
|  | 6<br>7               | 1         |          | Г        | 1        | 7        | _         | Г        | T                  | $\top$             | 7         |          |
|  | 8<br>9               | 1         |          |          | Γ        |          |           |          |                    | Т                  | T         | _        |
| L_   | 9                    |           |          | L        | $\Gamma$ | $\Box$   |           |          | $oxed{\mathbb{L}}$ |                    | 7         |          |
| <u> </u>   | 10                   | 1         |          |          | L        | 1        |           | L        | $\perp$            |                    |           |          |
| <u> </u>   | 11                   | V         |          | _        | L        | 4        |           | _        | ┸                  | _                  | 1         | _        |
| <u> </u>   | 12                   | N         | Щ.       | _        | ╀        | 4        |           |          | ╀                  | 4                  | 4         |          |
| <u> </u>   | 13                   | ZZ        |          |          | ₽        | 4        | -         |          | 1                  | ╀                  | 4         | _        |
| -  | 13<br>14<br>15       | N         |          | _        | ⊢        | +        | _         | _        | ╀                  | +-                 | +         |          |
|  | 16                   | N         |          |          | ⊢        | +        | _         |          | ╀                  | +-                 | +         |          |
| ┝  | 16<br>17             | N         | $\dashv$ |          | ┢        | +        | _         | _        | $\vdash$           | +                  | ╁         |          |
| <del>                                     </del> | 18                   |           | -        | _        | ┝        | +        | -         |          | ╀                  | ╁                  | +         |          |
| <u> </u>   | 18<br>19             | N         |          |          | H        | +        | ᅥ         |          | ╆                  | ╁                  | +         |          |
|  | 20                   | N         | _        | -        | H        | †        | 寸         |          | -                  | +                  | 十         | _        |
|  | 20<br>21<br>22<br>23 |           | 7        |          | <u> </u> | Ť        | ┪         | _        | t                  | ✝                  | †         |          |
|  | 22                   | N         |          |          | Г        | T        |           |          | Г                  | $\top$             | Ť         |          |
|  | 23                   | N         |          |          |          | T        |           |          |                    | $\top$             | T         |          |
|  | 24<br>25             | 2 2 2 2 2 |          |          |          | Ι        |           |          |                    | Τ                  | T         |          |
|  | 25                   | N         | _        |          |          | l        |           |          |                    |                    | I         |          |
|  | 26<br>27<br>28       | N         | 4        |          |          | l        | _         |          |                    |                    | L         |          |
|  | 27                   | N         |          |          | L        | ļ        | 4         |          |                    | L                  | L         | ┙        |
|  | 28                   | N         | -        | _        |          | ļ        | 4         |          | ļ.,                | $oldsymbol{\perp}$ | Ļ         | 4        |
|  | 29                   | N<br>N    | -        | _        | _        | +        | 4         | _        | ļ                  | ┺                  | ╀         | 4        |
|  | 30<br>31             | N         | -+       |          |          | ╀        | +         | _        | -                  | <del> </del>       | ╀         | 4        |
|  | 32                   | N         | $\dashv$ | $\dashv$ |          | ╁        | +         |          | <u> </u>           | -                  | ╀         | 4        |
|  | 32<br>33             | N         | -+       | ┥        |          | ╁        | ╁         | _        | _                  | ┢                  | ╀         | $\dashv$ |
|  | 34                   | N         | ┪        | -        | _        | t        | +         |          | -                  | ┢                  | ╁         | ┥        |
|  | 35                   | N         | 十        | $\dashv$ |          | t        | $^{+}$    |          |                    | ┢                  | ╁         | ٦        |
|  | 36                   | N         | 寸        |          |          | t        | $\dagger$ | ٦        |                    | 一                  | t         | ┪        |
|  | 37                   | N         | ヿ        | ٦        |          | t        | T         | ┪        |                    | $\vdash$           | t         | ٦        |
|  | 38                   | N         | $\neg$   |          |          | T        | 1         | $\neg$   |                    | Г                  | ✝         | 7        |
|  | 39                   | N         | T        |          |          |          | T         |          |                    | Г                  | Γ         | 7        |
|  | 40                   | N         |          |          |          |          | $\perp$   |          |                    |                    |           | ]:       |
|  | 41                   | N         |          | _        |          | L        | 1         |          |                    |                    |           | ]        |
|  | 42                   | N         | $\perp$  | _        |          | L        | $\perp$   | 4        |                    |                    |           |          |
|  | 43                   | N         | $\perp$  | _        | _        | L        | 4         | 4        |                    |                    | L         | _        |
|  | 44                   | N         | +        | 4        |          | L        | +         | 4        |                    | $\vdash$           | _         | 4        |
|  | 45                   | N         | +        | $\dashv$ | _        | L        | +         | 4        | -                  | <u> </u>           | L         | 4        |
|  | 46<br>47             | N<br>N    | +        | +        |          | $\vdash$ | +         | -1       | _                  |                    | _         | 4        |
|  | 48                   | N         | +        | $\dashv$ |          | ├        | +         | $\dashv$ | -                  | _                  | <u> </u>  | 1        |
| -  | 49                   | 1         | +        | $\dashv$ |          | $\vdash$ | +         | +        | -                  | Н                  | <u> </u>  | 1:       |
|  | 50                   | 1         | +        | +        |          | $\vdash$ | +         | +        | $\dashv$           | -                  | -         | 1        |
|  | <u></u>              | *         |          |          | _        | _        | 上         |          |                    |                    | _         | ١.       |

|   | С              | laim                 |                                       | Date     |          |          |              |          |          |          |          |          |    |  |  |
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|   |                | 51                   | 1                                     | ├-       | ┢        | +        | $\dashv$     | 7        | _        | $\vdash$ | ┢        | ╁        | _  |  |  |
|   | _              | 52                   | Ť                                     | -        | H        | ╁        | ╅            | $\dashv$ | _        | -        | ⊢        | ╁        | _  |  |  |
|   |                | 52<br>53             | ij                                    | -        | Н        | +        | ╅            | $\dashv$ | _        | _        | ⊢        | ┿        | -  |  |  |
| ं |                | 54                   | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ |          |          | +        | +            | +        | _        | -        | H        | ╁        | _  |  |  |
|   |                | 54<br>55             | ij                                    | -        | $\vdash$ | ╁        | +            | +        | $\dashv$ |          | H        | ╁        | _  |  |  |
|   |                | 56                   | 1                                     | -        | _        | ╁        | +            | +        | _        | _        | ⊢        | +-       | _  |  |  |
|   |                | 57                   | 1                                     |          | -        | ╁        | +            | +        | -        |          | H        | +-       | _  |  |  |
|   | -              | 57<br>58             | 1                                     | Н        | -        | ╁        | +            | -+       | $\dashv$ |          | ⊢        | +-       | _  |  |  |
|   |                | 59                   | ij                                    | -        | _        | ╀        | +            | +        | $\dashv$ | _        | H        | +-       | _  |  |  |
|   |                | 60                   | 1                                     | -        |          | ╁        | +            | -+       | $\dashv$ | _        | _        | ┰        | -  |  |  |
|   |                | 61                   | 7 7                                   | $\dashv$ | _        | ╁        | ╁            | +        | $\dashv$ |          | _        | ╀        | _  |  |  |
|   |                | 62                   |                                       |          | _        | ╁        | ╌            | $\dashv$ | $\dashv$ | ᅱ        | _        | ┿        |    |  |  |
| 1 |                | 63                   | 7                                     |          | _        | ╁        | ╅            | +        | -+       | $\dashv$ | _        | ╁        |    |  |  |
| 1 |                | 64                   | N                                     |          | _        | ╀        | +            | +        | $\dashv$ |          |          | +-       | _  |  |  |
|   |                | 65                   | N                                     | -        |          | ╁        | ╁            | ╅        | -+       |          |          | ╁        |    |  |  |
| 1 |                | 66                   | N                                     | $\neg$   |          | ╁╌       | ╫            | +        |          | $\dashv$ | -        | ╁        | -  |  |  |
| ł |                | 67                   | N                                     | $\dashv$ | _        | ╁        | ┿            | +        | -        | $\dashv$ | -        | ╁        | _  |  |  |
| 1 |                | 68                   | N                                     | -        |          | ╁        | +            | ╁        | ┥        | $\dashv$ |          | ╀        | _  |  |  |
| ł |                | 69                   | N                                     | -        | -        | ┢        | ╁            | +        | +        | -        | _        | ╀┈       | -  |  |  |
| ŀ |                | 70                   | N                                     | $\dashv$ |          | ┝        | ╁            | +        | $\dashv$ | $\dashv$ | -        | ╁        | -  |  |  |
| ł |                | 71                   | N                                     | -        |          | ╁        | ┿            | +        | +        | -+       |          | ╂        | _  |  |  |
| ŀ |                | 72                   | N                                     | -+       | _        | ╁        | +            | +        | +        | $\dashv$ | _        | ╁        | _  |  |  |
| ŀ |                | 72<br>73<br>74<br>75 |                                       | +        | _        | ┢        | ╁            | +        | +        | $\dashv$ | _        | ╁        | _  |  |  |
| ŀ |                | 74                   | N                                     | $\dashv$ |          | -        | ╁            | +        | +        | ᆉ        |          | ⊢        | 4  |  |  |
| H |                | 75                   | N                                     | $\dashv$ | _        | ┝        | ╁            | +        | -+       | $\dashv$ |          | Н        | 4  |  |  |
| H |                | 76                   | N                                     | -        | _        | $\vdash$ | ╁            | ╁        | +        | $\dashv$ |          | -        | -  |  |  |
| H |                | 76<br>77             | N                                     | ┰        | -        | ┝        | ╁            | +        | +        | $\dashv$ | _        | ⊢        | 4  |  |  |
| ۲ |                | 78                   | N                                     | $\dashv$ | -        | H        | ╁            | +        | +        | -        |          | ┢        | 4  |  |  |
| t |                | 78<br>79             | N                                     | +        | -        | -        | ╁┈           | +        | -+       | $\dashv$ | _        | ⊢        | 4  |  |  |
| ╁ |                | 80                   | N                                     | +        | _        | -        | ╁            | +        | +        | +        |          | ⊢        | 1  |  |  |
| ╁ | -              | 81                   | N                                     | +        | -        | -        | ╀            | ╁        | +        | +        | _        | -        | ┨  |  |  |
| ۲ |                | 82                   | N                                     | +        | ٦        |          | ╁╴           | ╁        | ╅        | +        | _        | _        | ł  |  |  |
| ۲ | _              | 83                   | N                                     | $\dashv$ | -        | _        | +-           | ╅        | +        | ┰        | -        | <u> </u> | ┨  |  |  |
| ۲ |                | 84                   | N                                     | +        | -        |          | ╁            | +        | +        | +        | -        | -        | ł  |  |  |
| r |                | 85                   | N                                     | +        | -        |          | ╁            | ╁        | +        | ╅        | _        |          | ł  |  |  |
| ۲ |                | 86                   | N                                     | +        | 7        | -        | +            | ╁        | ┰        | +        | -        | _        | ┨  |  |  |
| ۲ |                | 87                   | +                                     | +        | -        | -        | ╁            | +        | +        | +        | -        | _        | ۱  |  |  |
| r | _              | 88                   | $\dashv$                              | +        | -1       |          | ╁            | ╁        | +        | +        | $\dashv$ | _        | ł  |  |  |
| r | - 1            | 89                   | $\dashv$                              | ╁        | 7        | _        | ╁            | ╁        | ╅        | +        | $\dashv$ | _        | ł  |  |  |
| H | <del>-  </del> | 90                   | $\dashv$                              | +        | +        |          | ╁╌           | ╁        | ╁        | ╁        | $\dashv$ | _        | ł  |  |  |
| H | $\dashv$       | 91                   | +                                     | +        | ┪        | _        | H            | ╁╌       | +        | +        |          |          | ł  |  |  |
| r | 一              | 92                   | $\dashv$                              | +        | +        | _        | $\vdash$     | +        | +        | +        | +        |          | l  |  |  |
| r |                | 93                   | $\dashv$                              | +-       | +        | _        | $\vdash$     | ╁        | +        | ╁        | +        | _        | ı  |  |  |
| H |                | 94                   | $\dashv$                              | +        | +        | -        | $\vdash$     | +-       | +        | +        | $\dashv$ | -        | ı  |  |  |
| Н | +              | 95                   | $\dashv$                              | 十        | +        |          | -            | ╁        | +        | +        | $\dashv$ | _        |    |  |  |
| ۲ |                | 96                   | +                                     | +        | +        | _        | -            | ╁        | ╁        | +        | ┥        |          | ľ  |  |  |
| H | $\dashv$       | 97                   | +                                     | +        | +        |          | <del> </del> | ╁        | +        | +        | $\dashv$ | _        |    |  |  |
| H | $\dashv$       | 98                   | -                                     | ╁        | +        |          | $\vdash$     | +        | +        | +-       | +        | $\dashv$ | ŀ  |  |  |
| - | - +            | 99                   | -+-                                   | +        | +        | _        | -            | +        | +        | +        | +        | -        | :  |  |  |
| - |                | 99                   | -                                     |          | 4        |          | _            | _        | _        | L_       |          |          | 1: |  |  |

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|         | CI          | aim               | Т        | _        |          |          |                         |                | P        | _        |          |   |          |
|---------|-------------|-------------------|----------|----------|----------|----------|-------------------------|----------------|----------|----------|----------|---|----------|
|         | <del></del> | Date              |          |          |          |          |                         |                |          |          |          |   |          |
|         | =           | <u>a</u>          | 1        |          | 1        | -        |                         |                |          |          |          |   |          |
|         | Final       | Original          | l        | ĺ        |          |          | į                       |                | 1        |          |          | - 1   |          |
|         | u.          | 5                 | ]        | 1        |          | - [      |                         | !              | 1        | Į        | - [      | - 1   |          |
|         |             | l                 | L        | L        | ⅃        |          |                         |                |          |          |          |   |          |
|         |             | 101               |          | П        | Т        | 7        | T                       |                | Т        | 1        | ╅        | 寸   | _        |
|         |             | 102               | $\vdash$ | Τ        | +        | +        | ╛                       |                | t        | ╈        | $^{+}$   | _   |          |
|         |             | 103               | -        | ┢        | ╁        | +        | ┪                       |                | Н        | ╁        | +        | +   |          |
|         |             | 104               | -        | ┢        | ╁        | +        | ┥                       |                | ┢        | ╁        | +        | +   |          |
|         |             | 104               | -        | ⊬        | ╀        | +        | 4                       |                | ⊢        | +        | +        |   |          |
| ं       |             | 105<br>106        |          | ╙        | 4        | 4.       | 4                       |                | L        | ┸        | 4        | _   | _        |
|         |             | 106               |          | L        | $\perp$  | 1        | ╛                       |                | L        | $\perp$  | ⊥        |   |          |
|         |             | 107               |          |          |          | $\perp$  |                         |                | l        |          |          | Т   |          |
|         |             | 108               |          |          |          | Т        | Т                       |                |          | Т        | Т        |   |          |
|         |             | 109               |          | Г        | 1        | T        | 7                       |                |          | Т        | +        | ┪   | Т        |
| ा       |             | 110               |          |          | T        | +        | $\dashv$                |                |          | $\vdash$ | +        | +   | _        |
| ा       |             | 111               | _        |          | 十        | ╈        | +                       |                | $\vdash$ | ╁╴       | +        | +   | -        |
| ो       | $\neg$      | 112               | =        | _        | +        | ╁        | ╅                       |                | _        | ╁        | +        |   | -        |
| 1       |             | 112               |          | H        | +-       | ╫        | +                       | -              | -        | ╁        | +        | +   | 4        |
| ી       |             | 113<br>114<br>115 |          | _        | ╀        | +        | +                       | 4              | _        | ╀        | +        | +   | _        |
| ា       |             | 114               | _        |          | +        | $\perp$  | 4                       | 4              |          | 1        | 1        | $\perp$   | _        |
| 1       |             | 115               | _        |          | ↓_       | 4        | 4                       | _              |          | ┖        | ┸        |   | _        |
| 1       |             | 116               |          | _        | 1_       | 1        | 1                       |                |          | L        | L        |   | ╝        |
| 1       |             | 117               |          |          | L        | $\perp$  | $oldsymbol{\mathbb{L}}$ | $ \mathbb{J} $ |          | $\Gamma$ | Γ        | $\int$  | ٦        |
|         |             | 118               |          |          | П        | Т        | Т                       | П              |          | Г        | Т        | T   | ٦        |
| ा       |             | 119               | T        |          |          | T        | 7                       | ┪              |          | T-       | T        | $\dagger$   | ┨        |
| ऻ       |             | 120               | $\neg$   |          | t        | ╁        | $^{\dagger}$            | $\dashv$       |          | $\vdash$ | +        | +-  | ┪        |
| ऻ       |             | 121               | 7        | _        | -        | ╀        | +                       | $\dashv$       |          | ⊢        | ╁        | ╁   | ᅱ        |
| $\cdot$ | -+          | 121<br>122        |          | _        | ╁        | ╀        | +                       | ┥              |          | ├        | ╀        | +   | 4        |
| ⊹       | -           | 122               | -        | _        | ┡        | ⊬        | +                       | $\dashv$       |          | _        | ╄-       | $\perp$   | 4        |
| : -     |             | 123<br>124        | 4        |          | -        | 1        | +                       | 4              |          | L        | L        | 4   | 4        |
| ŀ       |             | 124               | _        | _        | <u> </u> | ↓        | ⊥                       | 4              |          | L        | L        | ┸   | ┙        |
| L       |             | 125               | _        |          | 乚        | L        | $\perp$                 |                |          | L        | L        |   | ╛        |
| L       |             | 126               |          |          | L        | L        | $\int$                  | $ \rfloor $    |          |          | Γ        | $\prod$   | 1        |
| L       |             | 127               |          |          |          | Г        | T                       | Т              |          |          | Γ        | Т   | 7        |
| ि       | Т           | 126<br>127<br>128 | $\neg$   |          |          | Γ        | T                       | 7              |          |          | Τ        | 1   | 1        |
| Γ       |             | 129<br>130        | ヿ        | _        |          | 1        | T                       | +              | ╗        |          | Τ        | +   | 1        |
| ۲       | $\neg +$    | 130               | $\dashv$ |          | <u> </u> | $\vdash$ | $^{+}$                  | +              | H        | _        | $\vdash$ | +-  | 4        |
| ۲       |             | 131               | +        |          | -        | ┢        | +                       | +              | -        |          | ╁        | +-  | $\dashv$ |
| -       | -+          | 133               | +        | _        | <u> </u> | $\vdash$ | ╀                       | +              | $\dashv$ |          | $\vdash$ | +   | 4        |
| +       | -+          | 132               | +        |          | _        | -        | +                       | +              | _        |          | -        | +   | 4        |
| -       |             | 133               | 4        | 4        | _        | <u> </u> | ╀                       | 4              | _        |          | L        | 1_  | 1        |
| L       |             | 134               | 4        | _        |          | <u> </u> | $\perp$                 | 1              | _        |          | ot       | $\perp$   | ┛        |
| L       |             | 135               | ᆚ        |          | _        | L        | $\perp$                 | $\perp$        | ╝        |          | Ĺ        | $oldsymbol{ol}}}}}}}}}}}}}} $ |          |
| L       |             | 136               | $\prod$  | _7       |          |          | Γ                       | T              | ٦        |          |          |   | 7        |
| :[      | T           | 137               | Т        |          |          |          | Τ                       | $\top$         | 寸        |          |          | 1   | 1        |
| Γ       |             | 138               | T        | $\dashv$ |          |          | T                       | $^{\dagger}$   | 7        | _        | _        | †   | 1        |
| Γ       | 7           | 139               | $\top$   | _        | _        | $\vdash$ | T                       | +              | 7        |          | -        | +   | 1        |
| -       | +           | 140               | +        | ┥        | _        | -        | ╁                       | +              | +        |          | -        | +   | +        |
| -       |             |                   | +        | -        |          | -        | ╁                       | +              | 4        |          | <u> </u> | ╀   | 4        |
| -       | -+          | 141               | +        | 4        |          |          | ╀                       | 4              | 4        | _        | _        | ╁   | 1        |
|         |             | 142               | +        | _        |          |          | L                       | $\perp$        | 4        |          | _        | 上   | 1        |
| L       |             | 143               |          |          |          |          | L                       | $\perp$        | $\Box$   |          |          |   |          |
| L       |             | 44                | $\prod$  | J        |          |          | Γ                       | T              | T        |          |          | Γ   | 1        |
| Γ       | 1           | 45                | T        | T        |          |          | Γ                       | Τ              | 7        |          | _        | 1   | 1        |
| Τ       | 1           | 46                | 1        | 1        | $\neg$   |          | T                       | T              | +        | _        |          | 1-  | 1        |
| L       |             | 47                | +        | +        | -        | _        | ┢                       | +              | +        | ٦        |          | $\vdash$  | 1        |
|         |             | 48                | +        | $\dashv$ |          | _        | ⊢                       | ╁              | +        | $\dashv$ |          | ⊢   | 1        |
|         | +           | 40                | +        | +        | _        |          | $\vdash$                | +              | +        | 4        |          | -   | 1        |
| L       |             | 49                | 1        | 4        | _        | _        | $\perp$                 | $\perp$        | $\perp$  |          |          | _   | 1        |
|         |             | 50                |          |          |          |          |                         |                |          |          |          |   |          |